

## SECTION 2100-CONCRETE CURB, CURB AND GUTTER, SIDEWALK, AND DRIVEWAY ENTRANCES

- 2101 SCOPE. This section covers concrete curb, curb and gutter, concrete sidewalk and concrete driveway entrances, including reinforcing steel, forms, joints, finishing, curing, and other appurtenant work.
- 2102 MATERIALS. All items of material included in this work shall conform to the requirements of Section 2000 *Concrete*.
- 2103 GENERAL. All construction covered in this section shall conform to the requirements of Section 2000 *Concrete*. All curb or curb and gutter construction shall be performed prior to placement of pavement or sidewalk, except when otherwise approved by the engineer. All forms shall be in good condition with not more than one-fourth (1/4) inch variation in horizontal and vertical alignment for each ten (10) feet in length.
- 2104 GRADING AND SUBGRADE PREPARATION. All excavation required in the grading and subgrading preparation shall be considered as "Unclassified Excavation" as defined in Section 1100 *Grading*. All grading shall be done in conformance with Sections 1100 *Grading* and 1200 *Subgrade Preparation*.
- 2105 EXPANSION AND CONTRACTION OR CONSTRUCTION JOINTS. Expansion and contraction or construction joints shall be as herein specified on the standard detail sheets or as otherwise specified by the city engineer.
- 2106 FINISHING. Finishing shall be performed as follows:
- a. Curb and Curb and Gutter. The curb shall be tooled to the required radii as soon as possible after the concrete takes its initial set. After the forms and templates are removed the joints shall be tooled and the curb surface finished with a wood or cork float to remove all imperfections without additional mortar. In all cases the resulting surface shall be smooth and of uniform color with all rough spots, projections, and form stakes removed. No plastering of the concrete will be allowed. The finished curb shall have a true surface, free from sags, twists, or warps, and shall have a uniform appearance, and shall be true to the specified lines, grades, and configurations shown on the drawings.
  - b. Sidewalk and Driveway Entrances. After the concrete has been thoroughly consolidated and leveled, and the initial set has taken place, the surface shall be finished with a soft wood or cork float and either burlap or broom finished with no other mortar than that contained in the concrete. The resulting surface shall be uniform in color and contain no imperfections. The edges shall be rounded with a tooling edge. Special care shall be taken to ensure a straight, neat appearance along the edges of the sidewalk or driveway entrance and at the joints.

- 2107 REINFORCEMENT (Curb and Gutter). Reinforcement for concrete curb and gutter shall be as designated on Standard Details 21-1 and 21-2. The exception to this shall be when the curb and gutter is to be constructed on an asphaltic concrete base with a minimum depth of three inches (3"). In this case, no reinforcement shall be required unless otherwise determined by the city engineer.
- 2108 REINFORCEMENT (Other). Reinforcement for all other work shall be as shown on the contract drawings or as depicted on details contained in this specification.